

### Abstract of the Disclosure

5 A heat sink comprises a core member comprising at least one core member first surface. The core member first surface is adapted to contact or be located adjacent at least a portion of the heat source. At least one outer peripheral surface is located on the core member. At least one cooling fin is operatively connected to the outer peripheral surface and extends in a direction substantially normal to the core member first surface. At least a portion of the outer peripheral surface is tapered, wherein the circumference of the outer peripheral surface in the proximity of the first surface is greater than the circumference of the outer peripheral surface not in the proximity of the first surface.

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